

# SOFTHAND PRO

*"Simplicity is a great virtue but it requires hard work to achieve it and education to appreciate it.*

*And to make matters worse, complexity sells better."*

*Edsger W. Dijkstra*

SoftHand Pro is a novel robot hand prosthesis adopting the principles of softrobotics to achieve a **simple** and effective implementation of the human synergies. Originally developed for the industry by the **Italian Institute of Technology** and the Centro Piaggio of Università di Pisa, the SoftHand became a prosthesis thanks to european research projects.

Compliance, strength and robustness, thanks to its unique feature: the intrinsic **softness** of its **human-like 19 degrees of freedom**. Forget about choosing different grips through co-contractions, button or muscles impulses! SoftHand Pro hand and **fingers automatically adapt** to objects' shape and size. From precision pinch to force grasp **with only one control**.

A perfect combination of skills that sees the **Italian Institute of Technology** as a cutting-edge center of scientific research for the continuous improvement of the robotic hand, **QbRobotics** as its manufacturer and **Procosil** as the manufacturer of the SoftHand Pro cosmetic silicone glove and distributor of the robotic hand in the relevant markets.

- > Simple
- > Intuitive
- > Soft Robotics
- > Adaptable

UPPER LIMBS



Made in Italy



In collaboration with **ITT (Istituto Italiano di Tecnologia)** e **QB Robotics**





# SoftHand Pro



## Technical info:

- > 1 adaptable grasp, from pinch to force grasp
- > **Size:** 7 1/2
- > **Weight:** 300gr
- > **Battery Life:** 5.5 hours



## Coverings:

- > Humanlike mimetic glove
- > Transparent glove
- > Fully personalised glove